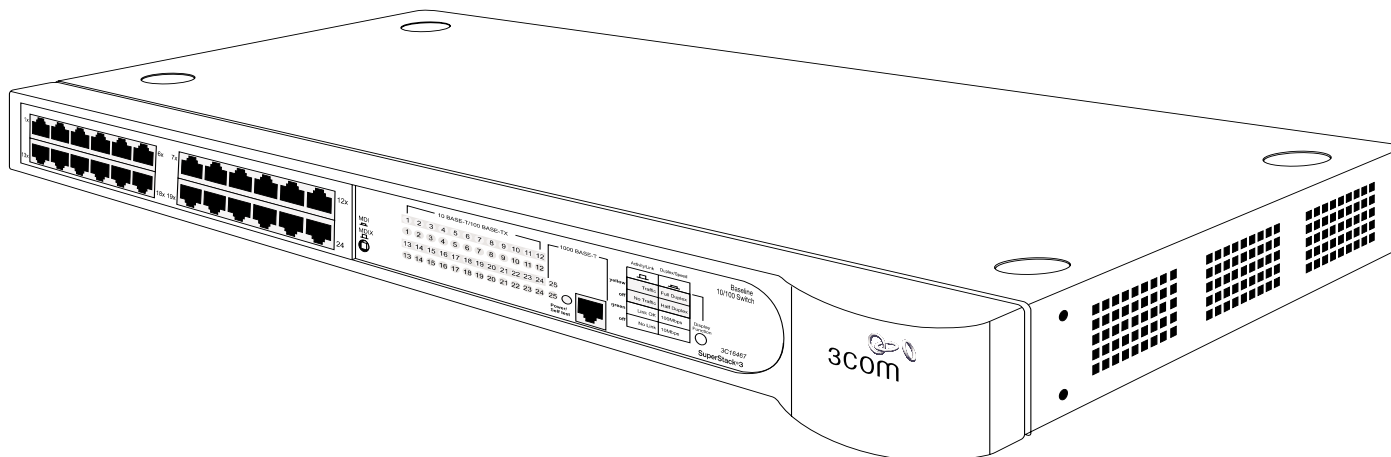


SuperStack® 3 Baseline 10/100 Switch 24-Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T (3C16467) User Guide

DUA1646-7AAA02



INTRODUCTION

The SuperStack® 3 Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T is a versatile, easy-to-use unmanaged switch. It is ideal for users who want the high-speed performance of 10/100 switching with the added functionality of a 1000BASE-T link but do not need sophisticated management capabilities. The Baseline 10/100 Switch is shipped ready for use. No configuration is necessary.

The Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T has 24 shielded RJ-45, 10/100Mbps auto-negotiating ports and one shielded RJ-45, 1000BASE-T port on the front panel. Each 10/100Mbps port automatically determines the speed and duplex mode of the connected equipment and provides a suitable switched connection. The 1000BASE-T port is a fixed speed port that operates in full duplex mode.

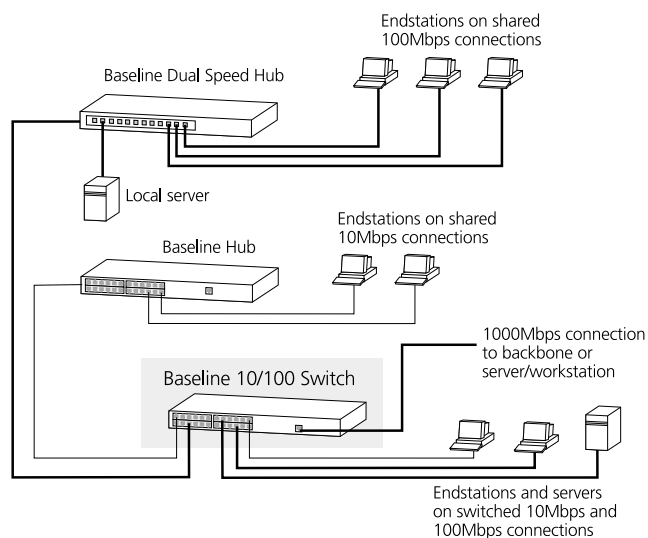
The Baseline 10/100 Switch is suited for office use where it can be free standing, or rack mounted (in a wiring closet or equipment room).

The Baseline 10/100 Switch comes with:

- One power cord
- Four self-adhesive rubber pads
- One mounting kit

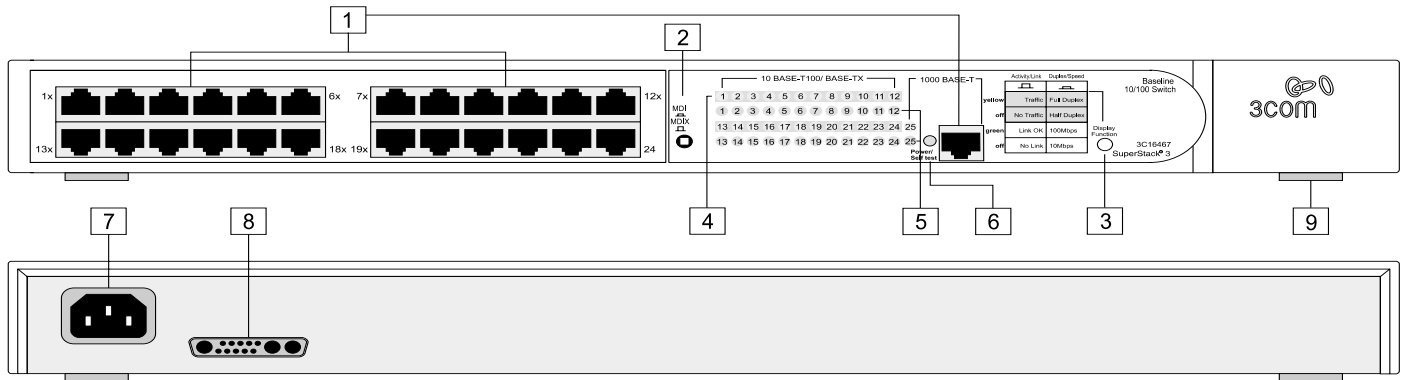
The Switch can be powered either from the AC mains supply, or through an optional 3Com SuperStack 3 Advanced Redundant Power System (3C16071B). Contact your supplier for details.

The Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T provides high performance switched connections to 10Mbps and 100Mbps hubs, servers and workstations that need a dedicated switched link and a switched fixed speed 1000 Mbps port that can connect to other 1000BASE-T ports or servers/workstations.



10Mbps link ————— 100Mbps or 1000Mbps link —————

HOW TO USE THE BASELINE 10/100 SWITCH 24-PORT



The numbers in this diagram refer to numbered sections in the text.

Front Panel

1 24 RJ-45 10/100 Ports and 1 RJ-45 1000 Port



WARNING: RJ-45 ports. These are shielded RJ-45 data sockets. They cannot be used as telephone sockets. Only connect RJ-45 data connectors to these sockets. Either shielded or unshielded data cables with shielded or unshielded jacks can be connected to these data sockets.

AVERTISSEMENT: Les ports RJ-45. Il s'agit de prises femelles blindées de données RJ-45. Vous ne pouvez pas les utiliser comme prise de téléphone. Branchez uniquement des connecteurs de données RJ-45 sur ces prises femelles. Les câbles de données blindés ou non blindés, avec les jacks blindés ou non blindés, l'un ou l'autre, peuvent être branchés à ces prises de courant de données.

WARNUNG: RJ-45-Anschlüsse. Dies sind abgeschirmte RJ-45-Datenbuchsen. Sie können nicht als Telefonanschlußbuchsen verwendet werden. An diesen Buchsen dürfen nur RJ-45-Datenstecker angeschlossen werden. Diese Datenstecker können entweder mit abgeschirmten oder unabgeschirmten Datenkabeln mit abgeschirmten oder unabgeschirmten Klinkensteckern verbunden werden.

10BASE-T/100BASE-TX Ports

The Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T has 24 10/100Mbps auto-negotiating ports.

Ports 1–23 are MDIX ports. Each can be connected to a device with an MDI port (such as a workstation) using a normal 'straight through' TP (twisted pair) cable. Alternatively, you can connect to a device with MDIX ports using 'cross-over' TP cable.

Port 24 is 'switch selectable' MDI/MDIX using the MDI switch, as described in 2. Using this port, you can connect to any other device without the need for 'cross-over' cable.

Ports 1 to 24 are auto-negotiating; their speed and duplex mode (half duplex or full duplex) are automatically determined by the capabilities of the connected device. Each port can be connected to either a 10BASE-T or a 100BASE-TX device.



CAUTION: The Baseline 10/100 Switch supports full duplex auto-negotiation. If the connected device does not support auto-negotiation, the Switch will operate in half duplex mode (even if the device is operating in full duplex mode). In such a configuration, you may notice some degradation of network performance. 3Com recommends that you use devices that are capable of auto-negotiation (and that you ensure that auto-negotiation is enabled, if it is a configurable option).

1000BASE-T Port

Port 25 is a 1000BASE-T port capable of auto-negotiation with the connected port to operate at 1000BASE-T full duplex. It auto-senses an MDI/MDIX connection and can be used to connect

to either another 1000BASE-T switch port or to a 1000BASE-T server or workstation without additional configuration.

Connecting to a Network Device

To connect a device to the Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T, use Category 5 unshielded or shielded (screened) 100 Ohm TP cable (or Category 3 cable for a 10Mbps connection). The maximum length of cable for each connection is 100m (328ft). Connect one end of the cable to an RJ-45 port on the Baseline 10/100 Switch, and the other end to the appropriate RJ-45 port on the connecting device.

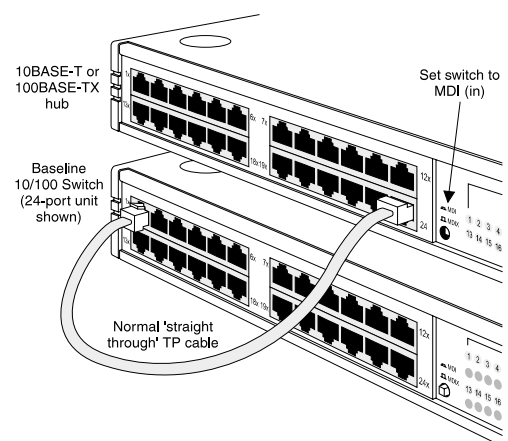
Connecting to another Switch or Hub



If you connect two Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T units together, 3Com recommends that you use the 1000BASE-T ports on both units for the link. You must use Category 5 cable when connecting the units.

1000BASE-T connection: To connect a Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T to another Switch using the 1000BASE-T port, use a normal 'straight through' cable and connect each end to the 1000BASE-T port on each unit.

100BASE-TX connection: To connect the Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T to a SuperStack 3 hub using a normal 'straight through' cable, connect any port on the Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T to the MDI/MDIX port on the hub, as shown below. Ensure that the MDI switch on the hub is in (MDI).



An alternative method of connecting the Baseline 10/100 Switch to a hub using a normal 'straight through' cable is to connect any MDIX port on the hub to the MDI/MDIX port on the Baseline 10/100 Switch, ensuring that its MDI Switch is set to in (MDI). You can use 'cross-over' TP cable to connect any MDIX port on the Baseline 10/100 Switch to any MDIX port on a hub.

2 MDI Switch

This switch affects port 24 only:



Out Port 24 is an MDIX port. It can be connected to a device with an MDI port (such as a workstation) using a normal 'straight through' TP cable.



In Port 24 is an MDI port. It can be connected to an MDIX port on a device (such as a hub) using a normal 'straight through' TP cable.

3 Display Function Switch

This switch affects the Status LEDs described in 4 and 5:



Out This is the normal position of the switch. The Status LEDs show the Activity and Link Status of each port.



In When the switch is pressed in, the Status LEDs show the Duplex and Speed Status of each port. The switch returns to the out position when released. This switch does not affect port 25.

4 Activity/Duplex Status LEDs

The first (top) and third row of LEDs, which are colored yellow, show the activity or duplex status of the related ports:

- When the Display Function switch is **out** (its normal position), these LEDs show the **activity** of each port. The LED flashes when packets are received or transmitted on the port.
- When the Display Function switch is pressed **in**, these LEDs show the **duplex status** of each port:

On The port is operating in full duplex mode.

Off Ports 1 to 24: If the link is established, the port is operating in half duplex mode.
Port 25: No link is present.

5 Link/Speed Status LEDs

The second and fourth (bottom) row of Status LEDs, which are colored green, show the link or speed status of the related ports:

- When the Display Function switch is **out** (its normal position), these LEDs show the **link status** of each port:

On The link has been established and the segment attached to the port is functional.

Off The link has not been established. Either nothing is connected to the port, or there is a problem:

- Check that the attached device is powered on.
 - Check that the cable is the correct type and is not faulty.
- If the LED is off for port 24, check the setting of the MDI switch. Refer to 2. Try toggling the MDI switch.
- If the port is connected to another unit's MDI/MDIX port, check the other unit's MDI switch position.
- If these checks do not identify the cause of a problem, it may be that the unit or the device connected to the port is faulty. Contact your supplier for further advice.

- When the Display Function switch is pressed **in**, these LEDs show the **speed status** of each port:

On Ports 1 to 24: The port is operating at 100Mbps.
Port 25: The port is operating at 1000 Mbps

Off Port 1 to 24: If the link is present, ports 1 to 24 are operating at 10Mbps.
Port 25: The link has not been established.

6 Power/Self Test LED

The Power/Self test LED lights green when the unit is powered on and ready for use.

Rear Panel Connections

7 Power Supply

The Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T automatically adjusts to the supply voltage. Only use the power cord that is supplied with the unit.

8 Socket for Redundant Power System (RPS)

Only connect a 3Com SuperStack 3 Advanced RPS (3C16070, 3C16071, 3C16071A or 3C16071B) to this socket. An appropriate power module and cable is required. The connector on the Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T is a Type 2 socket. For details, follow the installation instructions in the guides that accompany the Advanced RPS and the power module.

9 Self-adhesive Pads

The unit is supplied with four self-adhesive rubber pads.



You do not need to apply the pads if you intend to rack mount the unit.

If the unit is to be part of a free standing stack, apply the pads to each marked corner area on the underside of the unit. Place the unit on top of the lower unit, ensuring that the pads locate with the recesses of the lower unit.

INSTALLATION RECOMMENDATIONS

Positioning the Switch

When deciding where to position the Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T ensure:

- It is accessible and cables can be connected easily.
- Cabling is away from sources of electrical noise. These include lift shafts, microwave ovens, and air conditioning units. Electromagnetic fields can interfere with the signals on copper cabling and introduce errors, therefore slowing down your network.
- Water or moisture cannot enter the case of the unit.
- Air flow around the unit and through the vents in the side of the case is not restricted (3Com recommend that you provide a minimum of 25mm (1in.) clearance).
- The air is as free from dust as possible.
- Temperature operating limits are not likely to be exceeded. It is recommended that the unit is installed in a clean, air conditioned environment.



It is always good practice to wear an anti-static wrist strap when installing network equipment, connected to a ground point. If one is not available, try to keep in contact with a grounded rack and avoid touching the unit's ports and connectors, if possible. Static discharge can cause reliability problems in your equipment.

Rack Mounting or Free Standing

The unit can be mounted in a 19-inch equipment rack using the Mounting Kit. Refer to "Mounting Kit Instructions" on page 4, or it can be free standing. Do not place objects on top of the unit or stack.



CAUTION: If installing the Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T in a free standing stack of different size SuperStack 3 units, the smaller units must be installed above the larger ones. Do not have a free standing stack of more than six units.

Power Supply

Power problems can be the cause of serious failures and downtime in your network. Ensure that the power input to your system is clean and free from sags and surges to avoid unforeseen network outages. We recommend that you install power conditioning, especially in areas prone to black outs, power dips and electrical storms.

The unit is intended to be grounded. Ensure it is connected to earth ground during normal use. Installing proper grounding helps to avoid damage from lightning and power surges.

Power Up

Use the following sequence to power up the Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T:

- Check the network connections and cables.
- Connect the power supply cable to the appropriate power socket on the rear panel of the unit; refer to **7** or **8**.
- Connect the plug to the power supply outlet socket and switch on the power supply at the socket. If you are using

the Advanced Redundant Power System, ensure it is powered on.

When the switch is powered on, the Power/Self Test LED should first flash green, then stay lit. If it does not, refer to **6**.

Spot Checks

At frequent intervals you should visually check the Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T. Regular checks can give you an early warning of a possible failure; any problems can then be attended to when there will be least effect on users. Check the following:

- | | |
|--------------|---|
| Cabling | Check that all external cabling connections are secure and that no cables are pulled taut. |
| Cooling fans | Where possible, check that the cooling fans are operating by listening to the unit. The fans are fitted near to the front right hand side of the unit (when viewed from the front). |

If you experience any problems operating the Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T, refer to "Problem Solving" on page 4.

MOUNTING KIT INSTRUCTIONS

Introduction

The Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T is supplied with two mounting brackets and four screws. These are used for rack mounting the unit. When mounting the unit, you should take note of the guidelines given in "Positioning the Switch" on page 3.

Rack Mounting the Units

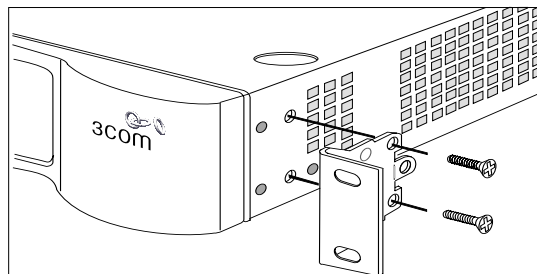
The Baseline 10/100 Switch is 1U high and will fit a standard 19-inch rack.



CAUTION: Disconnect all cables from the unit before continuing. Remove the self-adhesive pads from the underside of unit, if already fitted.

- 1 Place the unit the right way up on a hard, flat surface with the front facing towards you.
- 2 Locate a mounting bracket over the mounting holes on one side of the unit.

- 3 Insert the two screws supplied in the mounting kit and fully tighten with a suitable screwdriver.
- 4 Repeat the two previous steps for the other side of the unit.
- 5 Insert the unit into the 19-inch rack and secure with suitable screws (not provided).
- 6 Reconnect all cables.



PROBLEM SOLVING

Refer to the information about LEDs given earlier in this guide to see if the problem can be identified and rectified. Here are some common problems that can occur:

Link Status LED not lit for a port that has a connection.

There is a problem with this connection. Check that:

- The device being connected to is powered on and operating correctly.
- The cable is connected at both ends.
- That you are using a TP cable that is:
 - 'Straight through', to connect an MDIX port to an MDI port.
 - 'Cross-over', to connect an MDIX port to an MDIX port, or an MDI port to an MDI port.
- The cable is not damaged.
- If the connection is to a workstation, that the workstation's network interface is installed and configured correctly.

All Activity LEDs appear to be lit continually. There may be broadcast storms on the network. Remove port connections one

at a time, waiting a few seconds between each port. If the LEDs go off after removing a port connection, the device that was connected to that port is introducing an excessive amount of broadcast frames to the network (some pieces of network equipment operate by sending out broadcast frames regularly). Refer to the documentation that accompanies the device for information on disabling the broadcast operation.

If the problem persists and the unit still does not operate successfully, contact your supplier with the following information before returning the unit:

- Product number and serial number (printed on a label supplied with the unit)
- A brief description of the fault

SAFETY INFORMATION

Please read the following safety information carefully before installing the Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T.



WARNING: Installation and removal of the unit must be carried out by qualified personnel only.

- If installing the Switch unit in a stack with SuperStack 3 Hub units, the Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T unit must be installed below the narrower Hub units.
- The unit must be connected to an earthed (grounded) outlet to comply with international safety standards.
- Do not connect the unit to an A.C. outlet (power supply) without an earth (ground) connection.
- The appliance coupler (the connector to the unit and not the wall plug) must have a configuration for mating with an EN60320/IEC320 appliance inlet.
- The socket outlet must be near to the unit and easily accessible. You can only remove power from the unit by disconnecting the power cord from the outlet.
- This unit operates under SELV (Safety Extra Low Voltage) conditions according to IEC 60. The conditions are only maintained if the equipment to which it is connected also operates under SELV conditions.
- Only connect an *Advanced Redundant Power System (3C16070, 3C16071, 3C16071A or 3C16071B)* or *Redundant Power System (3C565047)* to the *Redundant Power System* socket.

France and Peru only

This unit cannot be powered from IT[†] supplies. If your supplies are of IT type, this

unit must be powered by 230V (2P+T) via an isolation transformer ratio 1:1, with the secondary connection point labelled Neutral, connected directly to earth (ground).

[†] Impédance à la terre

Power Cord Set

This must be approved for the country where it will be used. e.g.

- | | |
|-------------------|--|
| U.S.A. and Canada | ■ The cord set must be UL-approved and CSA certified. |
| | ■ The minimum specifications for the flexible cord are:
No. 18 AWG
Type SV or SJ
3-conductor |
| | ■ The cord set must have a rated current capacity of at least 10A. |
| | ■ The attachment plug must be an earth-grounding type with a NEMA 5-15P (15A, 125V) or NEMA 6-15P (15A, 250V) configuration. |
| Denmark | ■ The supply plug must comply with Section 107-2-D1, Standard DK2-1a or DK2-5a. |
| Switzerland | ■ The supply plug must comply with SEV/ASE 1011. |
| UK | ■ The supply plug must comply with BS1363 (3-pin 13-amp) and be fitted with a 5A fuse which complies with BS1362. |
| | ■ The mains cord must be <HAR> or <BASEC> marked and be of type HO3VVF3GO.75 (minimum). |
| Europe | ■ The supply plug must comply with CEE7/7 ("SCHUKO") |
| | ■ The mains cord must be <HAR> or <BASEC> marked and be of type HO3VVF3GO.75 (minimum). |

L'INFORMATION DE SÉCURITÉ IMPORTANTE

Veillez lire à fond l'information de la sécurité suivante avant d'installer le Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T.



AVERTISSEMENT: L'installation et la dépose de ce groupe doivent être confiés à un personnel qualifié.

- Si vous entassez l'unité Switch avec les unités SuperStack 3 Hub, l'unité Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T doit être installée en dessous des unités Hub plus étroites.
- Ne branchez pas votre appareil sur une prise secteur (alimentation électrique) lorsqu'il n'y a pas de connexion de mise à la terre (mise à la masse).
- Vous devez raccorder ce groupe à une sortie mise à la terre (mise à la masse) afin de respecter les normes internationales de sécurité.
- Le coupleur d'appareil (le connecteur du groupe et non pas la prise murale) doit respecter une configuration qui permet un branchement sur une entrée d'appareil EN60320/IEC 320.
- La prise secteur doit se trouver à proximité de l'appareil et son accès doit être facile. Vous ne pouvez mettre l'appareil hors circuit qu'en débranchant son cordon électrique au niveau de cette prise.
- L'appareil fonctionne à une tension extrêmement basse de sécurité qui est conforme à la norme IEC60950. Ces conditions ne sont maintenues que si l'équipement auquel il est raccordé fonctionne dans les mêmes conditions.
- Branchez uniquement un *Advanced Redundant Power System (3C16070, 3C16071, 3C16071A ou 3C16071B)* ou un *Redundant Power System (3C565047)* sur la prise femelle du *Redundant Power System*.

France et Pérou uniquement:

Ce groupe ne peut pas être alimenté par un dispositif à impédance à la terre. Si vos alimentations sont du type impédance à la terre, ce groupe doit être alimenté par une tension de 230 V (2 P+T) par le biais d'un transformateur d'isolement à rapport 1:1, avec un point secondaire de connexion portant l'appellation Neutre et avec raccordement direct à la terre (masse).

Cordon électrique

Il doit être agréé dans le pays d'utilisation.

- | | |
|-----------------------|---|
| Etats-Unis et Canada: | ■ Le cordon doit avoir reçu l'homologation des UL et un certificat de la CSA. |
| | ■ Le cordon souple doit respecter, à titre minimum, les spécifications suivantes:
calibre 18 AWG
type SV ou SJ
à 3 conducteurs |
| | ■ Le cordon doit être en mesure d'acheminer un courant nominal d'au moins 10 A. |
| | ■ La prise femelle de branchement doit être du type à mise à la terre (mise à la masse) et respecter la configuration NEMA 5-15P (15 A, 125 V) ou NEMA 6-15P (15 A, 250 V). |
| Danemark: | ■ La prise mâle d'alimentation doit respecter la section 107-2 D1 de la norme DK2 1a ou DK2 5a. |
| Suisse: | ■ La prise mâle d'alimentation doit respecter la norme SEV/ASE 1011. |
| Europe | ■ La prise secteur doit être conforme aux normes CEE 7/7 ("SCHUKO") |
| | ■ Le cordon secteur doit porter la mention <HAR> ou <BASEC> et doit être de type HO3VVF3GO.75 (minimum). |

WICHTIGE SICHERHEITSINFORMATIONEN

Bitte unbedingt vor dem Einbauen des Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T Einheit die folgenden Sicherheitsanweisungen durchlesen.



WARNUNG: Die Installation und der Ausbau des Geräts darf nur durch Fachpersonal erfolgen.

- Wenn die Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T Einheit in einer Stapel mit anderen SuperStack 3 Hub Einheiten eingebaut werden soll, muß die Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T Einheit unter die schmalen Hub Einheiten eingebaut werden.
- Das Gerät nicht an eine Wechselstromsteckdose anschließen, die nicht geerdet ist.
- Das Gerät muß an eine geerdete Steckdose angeschlossen werden, die die internationalen Sicherheitsnormen erfüllt.
- Der Gerätestecker (der Anschluß an das Gerät, nicht der Wandsteckdosenstecker) muß eine passende Konfiguration für einen Geräteeingang gemäß EN60320/IEC320 haben.

- Die Netzsteckdose muß in der Nähe des Geräts und leicht zugänglich sein. Die Stromversorgung des Geräts kann nur durch Herausziehen des Gerätenetzkabels aus der Netzsteckdose unterbrochen werden.
- Der Betrieb dieses Geräts erfolgt unter den SELV-Bedingungen (Sicherheitskleinstspannung) gemäß IEC 60. Diese Bedingungen sind nur gegeben, wenn auch die an das Gerät angeschlossenen Geräte unter SELV-Bedingungen betrieben werden.
- Nur ein *Advanced Redundant Power System (3C16070, 3C16071, 3C16071A oder 3C16071B)* oder *Redundant Power System (3C565047)* an den *Redundant Power System* Anschluß anschließen.

Stromkabel. Dies muss von dem Land, in dem es benutzt wird geprüft werden:

- | | |
|---------|--|
| Schweiz | ■ Dieser Stromstecker muß die SEV/ASE 1011 Bestimmungen einhalten. |
| Europe | ■ Das Netzkabel muß vom Typ HO3VVF3GO.75 (Mindestanforderung) sein und die Aufschrift <HAR> oder <BASEC> tragen. |
| | ■ Der Netzstecker muß die Norm CEE 7/7 erfüllen ("SCHUKO"). |

TECHNICAL INFORMATION

Related Standards

The SuperStack 3 Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 100BASE-T has been designed to the following standards:

Functional	ISO 8802-3, IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet), IEEE 802.3ab (Gigabit Ethernet) IEEE 802.3x (Flow Control) IEEE 802.1D 1998 (Bridging)
Safety	UL 1950, EN 60950, CSA 22.2 #950, IEC 60950
EMC Emissions	EN 55022 Class A, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, AS/NZS 3548 Class A, CNS 13438 Class A
Immunity	EN 55024

Environmental

Operating Temperature	0–50°C (32–122°F)
Humidity	10–95% (non-condensing)
Standard	EN 60068 (IEC 68)—various parts

Physical

Width	440mm (17.3in.)
Depth	235mm (9.3in.)
Height	44mm (1.7in.) or 1U
Weight	2.6kg (5.8lb)
Mounting	Free standing, or 19in. rack mounted using the mounting kit supplied

Electrical

Power Inlet	IEC 320
AC Line Frequency	50/60 Hz
Input Voltage	100–240 VAC
Current Rating	1 Amps (maximum)
Maximum Power Consumption	42 VA
Maximum Power Dissipation	142 BTU/hr

LIMITED WARRANTY

This warranty applies to customers located in the United States, Australia, Canada (except Quebec), Ireland, New Zealand, U.K., and other English language countries, and countries for which a translation into the local language is not provided.

SuperStack 3 Baseline 10/100 Switch 24-Port 10BASE-T/100BASE-TX plus 1-Port 100BASE-T (3C16467)

HARDWARE: 3Com warrants to the end user ("Customer") that this hardware product will be free from defects in workmanship and materials, under normal use and service, for the following length of time from the date of purchase from 3Com or its authorized reseller:

Lifetime, for as long as the original Customer owns the product (not transferable to a subsequent end user)

3Com's sole obligation under this express warranty shall be, at 3Com's option and expense, to repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or if neither of the two foregoing options is reasonably available, 3Com may, in its sole discretion, refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of 3Com. Replacement products or parts may be new or reconditioned. 3Com warrants any replaced or repaired product or part for ninety (90) days from shipment, or the remainder of the initial warranty period, whichever is longer.

SOFTWARE: 3Com warrants to Customer that each software program licensed from it, except as noted below, will perform in substantial conformance to its program specifications, for a period of ninety (90) days from the date of purchase from 3Com or its authorized reseller. 3Com warrants the media containing software against failure during the warranty period. No updates are provided, unless specifically included in the Included Services section. 3Com's sole obligation under this express warranty shall be, at 3Com's option and expense, to refund the purchase price paid by Customer for any defective software product, or to replace any defective media with software which substantially conforms to applicable 3Com published specifications. Customer assumes responsibility for the selection of the appropriate applications program and associated reference materials. 3Com makes no warranty or representation that its software products will meet Customer's requirements or work in combination with any hardware or applications software products provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected. For any third party products listed in the 3Com software product documentation or specifications as being compatible, 3Com will make reasonable efforts to provide compatibility, except where the non-compatibility is caused by a "bug" or defect in the third party's product or from use of the software product not in accordance with 3Com's published specifications or user manual.

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YEAR 2000 WARRANTY: In addition to the Hardware Warranty and Software Warranty stated above, 3Com warrants that each product sold or licensed to Customer on and after January 1, 1998 that is date sensitive will continue performing properly with regard to such date data on and after January 1, 2000, provided that all other products used by Customer in connection or combination with the 3Com product, including hardware, software, and firmware, accurately exchange date data with the 3Com product, with the exception of those products identified at 3Com's Web site, <http://www.3com.com/products/jr2000.html>, as not

meeting this standard. If it appears that any product that is stated to meet this standard does not perform properly with regard to such date data on and after January 1, 2000, and Customer notifies 3Com within ninety (90) days after purchase of the product from 3Com or its authorized reseller, 3Com shall, at its option and expense, provide a software update which would effect the proper performance of such product, repair such product, deliver to Customer an equivalent product to replace such product, or if none of the foregoing is feasible, refund to Customer the purchase price paid for such product.

Any software update or replaced or repaired product will carry a Year 2000 Warranty for ninety (90) days after purchase.

OBTAINING WARRANTY SERVICE: Customer must contact a 3Com Corporate Service Center or an Authorized 3Com Service Center within the applicable warranty period to obtain warranty service authorization. Dated proof of purchase from 3Com or its authorized reseller may be required. Products returned to 3Com's Corporate Service Center must be pre-authorized by 3Com with a User Service Order (USO) number (or a Return Material Authorization (RMA) number or a Service Repair Order (SRO) number, whichever was issued) marked on the outside of the package, and sent prepaid and packaged appropriately for safe shipment, and it is recommended that they be insured or sent by a method that provides for tracking of the package. Responsibility for loss or damage does not transfer to 3Com until the returned item is received by 3Com. The repaired or replaced item will be shipped to Customer, at 3Com's expense, not later than thirty (30) days after 3Com receives the defective product, and 3Com will retain risk of loss or damage until the item is delivered to Customer.

3Com shall not be responsible for any software, firmware, information, or memory data of Customer contained in, stored on, or integrated with any products returned to 3Com for repair, whether under warranty or not.

Dead- or Defective-on-Arrival. In the event a product completely fails to function or exhibits a defect in materials or workmanship within the first forty-eight (48) hours of installation but no later than thirty (30) days after the date of purchase, and this is verified by 3Com, it will be considered dead- or defective-on-arrival (DOA) and a replacement shall be provided prior to 3Com receiving the defective product, but only if Customer provides a purchase order number, credit card number, or other method of payment acceptable to 3Com, to be used if 3Com needs to charge Customer for the replacement, as explained below. The replacement product will normally be shipped not later than three (3) business days after 3Com's verification of the DOA product, but may be delayed due to export or import procedures. The shipment of a replacement product prior to 3Com receiving the defective product is subject to local legal requirements and may not be available in all locations. When such a replacement is provided and Customer fails to return the original product to 3Com within fifteen (15) days after shipment of the replacement, 3Com will charge Customer for the replacement product, at list price.

Shipment of a Replacement Prior to 3Com Receiving the Defective Product is provided for five (5) years, after which time it may be available for a specified fee, but in either case only if Customer provides a purchase order number, credit card number, or other method of payment acceptable to 3Com, to be used if 3Com needs to charge Customer for the replacement, as explained below. 3Com will make commercially reasonable efforts to ship the replacement product not later than five (5) business days after receiving the request for a replacement, but may be delayed due to product availability or export or import procedures. The shipment of a replacement product prior to 3Com receiving the defective product is subject to local legal requirements and may not be available in all locations. When such a replacement is provided and Customer fails to return the original product to 3Com within fifteen (15) days after shipment of the replacement, 3Com will charge Customer for the replacement, at list price. This replacement prior to 3Com receiving

the defective product is different from the fee-based Advance Hardware Replacement Service, which is available as a contracted service offering.

INCLUDED SERVICES:

3Com's Electronic Support Services, available at no charge, include 3Com Knowledgebase, information on known bugs, documentation, release notes, and publicly available software and firmware upgrades. 3Com reserves the right to modify or cancel this offering at any time, without advance notice.

Telephone Technical Support, with coverage for basic troubleshooting only, will be provided at no additional charge for 12 months from the date of purchase, on a commercially reasonable efforts basis. Telephone support is provided by 3Com only if Customer purchased this product directly from 3Com, or if Customer's reseller is unable to provide telephone support. To qualify for this telephone technical support, Customer must register on the 3Com Web site at <http://support.3Com.com/index.htm>, and state the date of purchase, product number, and serial number. 3Com's response to a request for telephone technical support will be in the form of a return call from a 3Com representative by close of business the following business day, defined as 9 a.m. to 5 p.m., local time, Monday through Friday, excluding local holidays. Please refer to the Technical Support appendix in the User Guide for telephone numbers.

Software Updates. All software and firmware upgrades and the latest code for this product downloaded through the 3Com Software Library.

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3COM SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT OR MALFUNCTION IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLIGENCE, IMPROPER INSTALLATION OR TESTING,

UNAUTHORIZED ATTEMPTS TO OPEN, REPAIR OR MODIFY THE PRODUCT, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, POWER CUTS OR OUTAGES, OTHER HAZARDS, OR ACTS OF GOD.

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GOVERNING LAW: This Limited Warranty shall be governed by the laws of the State of California, U.S.A., and by the laws of the United States, excluding their conflicts of laws principles. The United Nations Convention on Contracts for the International Sale of Goods is hereby excluded in its entirety from application to this Limited Warranty.

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(408) 326-5000

August 2000

3Com reserves the right to modify or cancel this offering at any time, without advance notice. This offering is not available where prohibited or restricted by law.

REGULATORY NOTICES

FCC Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference to radio communications, in which case the user will be required to correct the interference at their own expense.

Information To The User

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Relocate the equipment with respect to the receiver.
- Move the equipment away from the receiver.
- Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

How to Identify and Resolve Radio-TV Interference Problems

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

In order to meet FCC emissions limits, this equipment must be used only with cables which comply with IEEE 802.3.

CE Statement (Europe)

This product complies with the European Low Voltage Directive 73/23/EEC and ETIC Directive 89/336/EEC as amended by European Directive 93/68/EEC/.

CSA Statement

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

VCCI Statement

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取扱説明書に従って正しい取り扱いをして下さい。

BSMI Statement

警告使用者：這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

PRODUCTS

The SuperStack 3 Baseline 10/100 Switch 24 Port 10BASE-T/100BASE-TX plus 1-Port 1000BASE-T is part of the extensive SuperStack 3 range of 3Com products. This range includes hubs, switches, power systems and other networking equipment, and is continually being developed. Contact your supplier for the latest product information and to order these products.

Product Registration

You can now register your SuperStack 3 Switch on the 3Com web site to receive up-to-date information on your product:

<http://www.support.3com.com/warrantyregistration/register.pl>

Year 2000 Compliance

For information on Year 2000 compliance and 3Com products, visit the 3Com Year 2000 Web page:

<http://www.3com.com/products/yr2000.html>

Feedback

Your suggestions are very important to us. They will help make our documentation more useful to you. Please e-mail comments about this document to 3Com at:

pddtechpubs_comments@3Com.com

Please include the following information when commenting: the document title, part number (shown at the bottom of page 8), and page number, if appropriate.

Environmental Statement

It is the policy of 3Com Corporation to be environmentally-friendly in all operations. To uphold our policy, we are committed to:

- Establishing environmental performance standards that comply with national legislation and regulations.
- Conserving energy, materials and natural resources in all operations.
- Reducing the waste generated by all operations.
- Ensuring that all waste conforms to recognized environmental standards.
- Maximizing the recyclable and reusable content of all products.
- Ensuring that all products can be recycled, reused and disposed of safely.
- Ensuring that all products are labelled according to recognized environmental standards.
- Improving our environmental record on a continual basis.

TECHNICAL SUPPORT

The following numbers may be used for technical support:

Country	Telephone Number	Country	Telephone Number
Asia, Pacific Rim			
Australia	1 800 678 515	P.R. of China	10800 61 00137 or
Hong Kong	800 933 486		021 6350 1590
India	+61 2 9937 5085	Singapore	800 6161 463
Indonesia	001 800 61 009	S. Korea	
Japan	0031 61 6439	From anywhere in S. Korea:	00798 611 2230
Malaysia	1800 801 777	From Seoul:	(0)2 3455 6455
New Zealand	0800 446 398	Taiwan, R.O.C.	0080 611 261
Pakistan	+61 2 9937 5085	Thailand	001 800 611 2000
Philippines	1235 61 266 2602		
Europe			
From anywhere in Europe, call:	+31 (0)30 6029900 phone		
	+31 (0)30 6054396 fax		
Europe, South Africa, and Middle East: From the following countries, you may use the toll-free numbers:			
Austria	0800 297468	Netherlands	0800 0227788
Belgium	0800 71429	Norway	800 11376
Denmark	800 17309	Poland	00800 3111206
Finland	0800 113153	Portugal	0800 831416
France	0800 917959	South Africa	0800 995014
Germany	0800 1821502	Spain	900 983125
Hungary	00800 12813	Sweden	020 795482
Ireland	1800 553117	Switzerland	0800 55 3072
Israel	1800 9453794	U.K.	0800 966197
Italy	1678 79489		
Latin America			
Argentina	AT&T +800 666 5065	Mexico	01 800 CARE (01 800 2273)
Brazil	0800 13 3266	Peru	AT&T +800 666 5065
Chile	1230 020 0645	Puerto Rico	800 666 5065
Colombia	98012 2127	Venezuela	AT&T +800 666 5065
North America			
	1 800 876-3266		

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